

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ2004/000078

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: C12N 1/14, A01G 1/04, A01H 15/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

SEE ABOVE

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SEE BELOW

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPIDS, AGRICOLA, CA. (wood, timber, pulp, fungi, pleurotus, coriolus, phanerochaete, phlebia, ganoderm, oxidat, isolat, select)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Soares, C. H. L. and Duran, N.; Proceedings of the Brazilian Symposium on the Chemistry of Lignins and Other Wood Components, 4th, Recife, Brazil, Nov. 28-Dec. 1, (1995), 66-68. "Enzyme activities during biodegradation of bleached kraft pulp effluent by basidiomycetes fungi." (Whole document)	50, 51, 53-60, 62, 65 and 68
X	Archibald, F. S.; et al; Journal of Biotechnology (1997), 53 (2,3), 215-236. "Kraft pulp bleaching and delignification by Trametes versicolor." (Abstract; page 216, conclusions)	50, 51, 53-60, 62-65 and 68

 Further documents are listed in the continuation of Box C See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  
28 June 2004Date of mailing of the international search report  
05 JUL 2004

Name and mailing address of the ISA/AU

AUSTRALIAN PATENT OFFICE  
PO BOX 200, WODEN ACT 2606, AUSTRALIA  
E-mail address: pct@ipaaustralia.gov.au  
Facsimile No. (02) 6283 3929

Authorized officer

Philippa Wyrdeman  
Telephone No : (02) 6283 2554

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ2004/000078

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Moreira, M. T.; et al; Applied and Environmental Microbiology (1997), 63 (5), 1749-1755. "Manganese is not required for bio-bleaching of oxygen-delignified kraft pulp by the white rot fungus Bjerkandera species strain BOS55." (Abstract; Introduction; Materials and Methods; Results- page 1750, col 2, last 2 lines- page 1751, col 1; Discussion page 1753, col 1)	50, 51, 53-60, 62-65 and 68
X	Reid, I.D.; Canadian Journal of Botany (1995), 73 (Suppl. 1, Sect. E-H, Fifth International Mycological Congress, Sect. E-H, 1994), S1011-S1018. " Biodegradation of lignin." (Abstract; Introduction; Conclusion)	50, 51, 53-60, 62-65 and 68